

Message Text

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ORIGIN PM-03

INFO OCT-01 EUR-08 ISO-00 L-01 NSC-05 SP-02 SS-15 RSC-01

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DRAFTED BY PM/ISO:FJFLEMINGS:AF/XOXXGIF:CAPT GUNDERMAN:DME

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OSD/ISA/EUR:MR. WILKINSON

OSD/ISA/FMRA:CDR GRUNAWALT

EUR/CAN:MR. BROWN

EUR/NE:MISS PINKNEY

L/PM:MR. BOREK

----- 019141

R 162050Z OCT 74

FM SECSTATE WASHDC

TO AMEMBASSY COPENHAGEN

AMEMBASSY REYKJAVIK

AMEMBASSY OTTAWA

INFO COMICEDEFOR KEFLAVIK IC

OASD(ISA)/FMRA WASH DC

CSAF/XOXXGIF WASH DC

AFSC/DOSF ANDREWS AFB MD

AFCRL/L G HANSCOM FLD MASS

C O N F I D E N T I A L STATE 227671

E.O. 11652: ADS, DECLAS WHEN OPERATING RIGHTS REQUESTED
HEREIN HAVE BEEN GRANTED.

TAGS: MILI, OCLR, TGEN, DA, IC, CA

SUBJECT: PROJECT 7663 (IONOSPHERE-MAGNETOSPHERE INTER-
ACTIONS)

1. THE AIR FORCE'S CAMBRIDGE RESEARCH LABORATORIES (AFCRL)
DESIRES TO CONDUCT AIRBORNE SCIENTIFIC STUDIES INTO
IONOSPHERIC DISTURBANCES OVER THE POLAR REGIONS BETWEEN
KEFLAVIK, ICELAND, AND EIELSON AFB, ALASKA. THE
PROJECT WOULD BE CONDUCTED IN TWO PHASES (6 FLIGHTS EACH
PHASE), INITIALLY 9-19 DECEMBER 1974 AND LATER 7-17 JANUARY
1975. SPECIFICALLY, THIS RESEARCH IS RELEVANT TO AIR FORCE
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SYSTEMS EMPLOYING ELECTROMAGNETIC PROPAGATION INCLUDING

OVER THE HORIZON RADARS, SURVIVABLE COMMUNICATIONS, AND NAVIGATIONAL GUIDANCE AND TRACKING SYSTEMS WHICH ARE SERIOUSLY DEGRADED BY IONOSPHERIC DISTURBANCES. THIS EFFORT INVESTIGATES THE CHARACTERISTIC AND DYNAMIC BEHAVIOR OF THE NATURALLY DISTURBED IONOSPHERIC ENVIRONMENT, ESPECIALLY IN THE POLAR REGIONS. THE STUDIES OF NATURAL IONOSPHERIC DISTURBANCES WOULD ALSO PROVIDE INPUTS TO IONOSPHERIC SPECIFICATIONS AND FORECASTING. THE RESEARCH PROJECT WOULD UTILIZE BOTH AIRBORNE AND GROUND MEASUREMENTS.

2. TO ACCOMPLISH THE STUDY, AN INSTRUMENTED NKC-135 (BOEING 707 TYPE) AIRCRAFT, SERIAL NUMBER 53131 WOULD BE USED REQUIRING OVERFLIGHTS/LANDING IN CANADA, OVERFLIGHT OF GREENLAND, AND LANDING AT KEFLAVIK, ICELAND. PERSONNEL WOULD CONSIST OF 6 DOD CIVILIANS AND ONE USAF PROJECT OFFICER (ALL U.S. CITIZENS). PROPOSED FLIGHT PROFILES FOLLOW, ALL TIMES GREENWICH MEAN TIME:

ARRIVE	LOCATION	DEPART
---	GOOSE AB, CANADA	11/0300 DEC 74
11/0330	55 15N 06310W	
11/0400	58 00N 06730W	
11/0430	60 00N 07330W	
11/0530	55 30N 08330W	
11/0630	61 00N 09200W	
11/0730	58 00N 10500W	
11/0830	65 00N 11030W	
11/0930	62 30N 12530W	
11/1030	69 30N 13200W	
11/1100	69 00N 14200W	
11/1130	70 30N 15100W	
11/1200	67 00N 14830W	
11/1230	EIELSON AFB ALASKA	13/0000 DEC 74
13/0030	66 30N 14300W	
13/0130	71 30N 12900W	
13/0150	72 30N 12230W	
13/0230	75 30N 13300W	
13/0330	80 30N 16400W	

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13/0430	85 00N 14500E
13/0530	84 30N 05500E
13/0630	80 30N 00700E
13/0730	76 00N 02100W
13/0830	70 30N 03730W
13/0930	65 30N 02500W
13/1000	KEFLAVIK, ICELAND

3. THE FLIGHT PROFILE FLOWN ON 11 DEC 74 (GOOSE AB TO EIELSON) WOULD BE REPEATED ON 17 DEC 74 AT THE SAME TIMES. A DIRECT FLIGHT FROM KEFLAVIK TO GOOSE AB WOULD BE REQUIRED ON 15 DEC 74 FOR REPOSITIONING OF THE AIRCRAFT. IN ADDITION, TRANSFER FLIGHTS WOULD OCCUR ON 9 DEC 74 (PEASE AFB TO GOOSE AB) AND 19 DEC 74 (EIELSON AFB TO PEASE AFB). THE SAME MISSION PROFILE IS PROPOSED FOR PHASE 11 (7-17 JAN 75).

4. FOR COPENHAGEN: REF STATE A-893 JAN 74, CONTAINING SUMMARY OF 1974 PROJECTS IN GREENLAND. AIR FORCE PROJECTS IDENTIFIED AS P-5631, ITEMS A AND D, WILL NOW BE DESIGNATED AS PROJECT 7663. REQUEST YOU OBTAIN AN EXTENSION OF OPERATING RIGHTS THROUGH 31 JANUARY 1975 TO COVER OVERFLIGHT AND OPERATIONS DESCRIBED THEREIN. ADDITIONAL 1975 PROJECTS FOR GREENLAND WILL BE FORWARDED AT A LATER DATE.

5. FOR OTTAWA: REF STATE 180237, REQUESTING GOC EXTENSION OF OPERATING RIGHT THROUGH DECEMBER 31, 1975 FOR PROJECT 7663. REQUEST YOU CONTINUE EFFORTS TOWARD GAINING APPROVAL UNDER CURRENT CONCEPT OF OPERATIONS.

6. FOR REYKJAVIK: REQUEST YOU OBTAIN GOI CLEARANCE FOR AIRCRAFT OVERFLIGHT/LANDING IN ICELAND FOR PROJECT 7663. IF MAKING SUCH A REQUEST AT THIS TIME WOULD PRESENT PROBLEMS, THE TESTING COULD BE DISCONTINUED PRIOR TO OVERFLIGHT OF ICELANDIC TERRITORY FOLLOWED BY A ROUTINE LANDING/TAKEOFF AT KEFLAVIK. OUR INFORMATION INDICATES THAT USE OF KEFLAVIK IN THIS MANNER WOULD NOT REQUIRE DIPLOMATIC CLEARANCE, I.E., ROUTINE LANDING/TAKEOFF NOT INVOLVING TESTING IN ICELANDIC AIRSPACE. REQUEST EMBASSY/COMICEDEFOR CONFIRMATION THAT OUR CONFIDENTIAL

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UNDERSTANDING IS CORRECT. AFSC WILL MAKE REQUIRED NOTIFICATIONS CONCERNING ARRIVAL/DEPARTURE OF AIRCRAFT IAW FOREIGN CLEARANCE GUIDE.

7. EMBASSY SUPPORT IN COORDINATING THIS MATTER WILL BE GREATLY APPRECIATED. ALL DATA OBTAINED WOULD BE MADE AVAILABLE TO THE HOST GOVERNMENT UPON REQUEST. DISCUSSIONS WITH THE SCIENTIFIC COMMUNITY ARE RECOMMENDED AND ENCOURAGED AS THE PROJECT RELATES TO POLAR IONOSPHERIC COMMUNICATIONS PROBLEMS.

8. MAP OF FLIGHT ROUTES IS BEING SENT SEPARATELY BY AIRGRAM. INGERSOLL

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Message Attributes

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Draft Date: 16 OCT 1974
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Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: garlanwa
Disposition Case Number: n/a
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Disposition Date: 28 MAY 2004
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